



# STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION  
BUREAU OF CORRECTIVE ACTIONS

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Jim Gibbons, Governor

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October 10, 2007

Mr. Randall Jackson  
Health, Safety & Environmental Director  
DCI Management Group Ltd.  
4510 West 63<sup>rd</sup> Terrace  
Prairie Village, KS 66208

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**  
7005 0390 0002 0502 3235

Subject: **Monitoring Well Installation Work Plan**

Facility: Al Phillips the Cleaner (former)  
3661 S. Maryland Pkwy  
Las Vegas, NV

NDEP ID#: **H-000086**

Dear Mr. Jackson:

The Nevada Division of Environmental Protection (NDEP) has reviewed the work plan for the installation of three new permanent wells and one temporary well as part of the on-going environmental investigation for NDEP case H-000086. These additional wells are being installed to better delineate the downgradient location and extent of the plume of tetrachloroethylene (PCE) in shallow groundwater.

The work plan states that:

A hollow-stem auger rig will be utilized to drill the proposed boreholes for installation of a temporary groundwater monitoring well and three permanent groundwater monitoring wells, MW-28, MW-29, and MW-30. The elevations of the three permanent groundwater monitoring wells will be surveyed by a surveyor licensed in the State of Nevada in order to provide reference data for extension of the piezometric surface map further to the east. At a minimum, the elevation of the ground surface next to the protective casing will be surveyed to the nearest 0.10 foot, and the elevation of the measuring point on the well riser will be surveyed to the nearest 0.01 foot.

After completion of the well installations and groundwater sampling, receipt of the final laboratory data and disposal of IDW, a Site Assessment Report will be prepared and submitted to NDEP. This report will briefly summarize the results of groundwater sampling from previous reports, the field work that was performed during this investigation, and investigation results. The report will include field data, boring and well logs, tables, figures, laboratory results, and photos. Analytical results will be tabulated and compared against applicable regulatory standards. The report shall include a scaled site map depicting monitoring well locations.

**NDEP concurs** with the overall work plan, and specifically with:

- The installation of the 1 temporary and 3 permanent monitoring wells at the locations shown on Figure 3 of the work plan



- Drilling wells to a maximum depth of 40 feet, with the expectation of depth to groundwater of 17 to 19 feet below ground surface
- The use of low-flow sampling to collect samples of groundwater
- The content of the report to be submitted after installation of wells and sampling/analysis of groundwater samples

**NDEP does not concur** with the proposal to sample the 3 wells semi-annually (Section 1.3 of work plan). NDEP requires that the additional wells be sampled quarterly for at least 2 years. A minimum of eight samples are needed to provide sufficient data to conduct statistical trend analysis. The sampling frequency can be revisited after this 2-year period.

### Requirements by NDEP

The NDEP requires that a report discussing the results of this additional investigation be submitted by November 30, 2007.

If you have any comments or questions please contact the NDEP Case Officer, Mary Siders at (775) 687-9496 or email [msiders@ndep.nv.gov](mailto:msiders@ndep.nv.gov).

Sincerely,



Mary A. Siders, Ph.D.  
Bureau of Corrective Actions  
NDEP Carson City

cc:

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